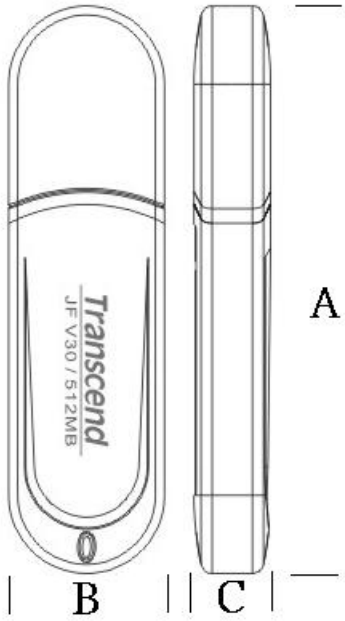
TS512MJFV30

512MB USB2.0 JetFlash™

Description

TS512MJFV30 is a 512MB USB Flash Drive with 1 pcs of 512Mx8 Flash Memory assembled on a printed circuit board.

Outline



Features

- Band Color: Orange
- USB 2.0 compatible, true Plug and Play
- Powered directly via the USB port. No external power or battery needed
- PC-Lock Function: Makes JetFlash the key to your computer
- Partition & Security Function: Partition JetFlash and create a private partition with password protection
- Boot-Up Function: Makes JetFlash a bootable device
- LED indicates the usage status of JetFlash

System Requirement

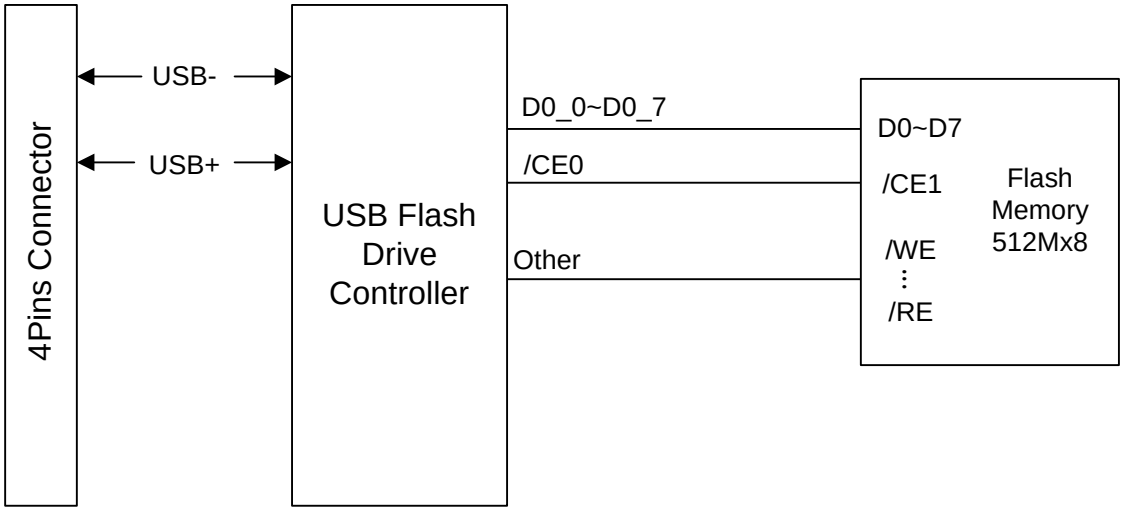
- Hardware: Desktop or notebook computer with USB port
- Operating System: Windows® 98SE, Windows® Me, Windows® 2000, Windows® XP and Mac™ OS 9.0 or later, Linux™ Kernel 2.4 or later

Dimensions

Side	Millimeters	Inches
A	60 ± 1.00	2.36 ± 0.04
B	16 ± 1.00	0.63 ± 0.04
C	7 ± 1.00	0.28 ± 0.04

Block Diagram

- **With 1 pcs of 512Mx8 Flash Memory**



Pinouts

Pin No.	Pin Name
01	VCC
02	USB-
03	USB+
04	VSS

Pin Identification

Symbol	Function
USB-	USB differential signal:
USB+	The pairs are used to transmit Data/Address/Command
VSS	Ground
VCC	USB power input

Specifications

Environment		
Capacity		512MB
Temperature	Operating	0 ℃ to 70 ℃
	Non-Operating	-40 ℃ to 85 ℃
System Performance	Read	9 MB/sec (Max.)
	Write	2 MB/sec (Max.)
Power Requirement	Voltage	DC 5V ± 10%
Data Retention		10 years
Connector Durability		10,000 times
Erase Cycles		>10,000 times
Certificates		CE, FCC, BSMI

Absolute Maximum Ratings

Symbol	Parameter	Rating	Unit
V_{CC}	Power Supply	V_{CC}±10%	V
V_{IN}	Input Voltage	V_{IN} ±10%	V

Recommended Operating Conditions

Symbol	Parameter	Min.	Typ.	Max.	Units
V_{CC}	Power Supply Voltage	4.5	5	5.5	V
V_{IN}	Input Voltage	3	3.3	3.6	V
V_{CC18}	Internal Power Supply	1.62	1.8	1.98	V

DC Characteristics:

Symbol	Parameter	Min.	Typ.	Max.	Units
I_{OH}	Output High Current	-4			mA
I_{OL}	Output Low Current			4	mA
V_{IH}	Input High Voltage	2		V_{IN}+0.3	V
V_{IL}	Input Low Voltage	-0.3		0.8	V
V_{OH}	Output High Voltage	0.9V_{IN}			V
V_{OL}	Output Low Voltage			0.45	V

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